



QUICK-OHM

Küpper & Co. GmbH

DEAR CUSTOMERS,

the recent developments in eastern europe add some extra pressure on the already tense supplying situation in the electronic industry. We at QUICK-OHM choose our sources and suppliers with great care, we audit all our partners frequently and we are fully convinced to provide the best possible product for a reasonable price.

In the past we already qualified some alternatives to the well-known russian TE-companies and with this conversion table, we would like offer substitutes to the standard ranges of several manufacturers.

Customized TECs can be offered on request, but most of the listed modules are available from stock and can replace the russian counterparts without any problems.

VEREHRTE KUNDEN,

die jüngsten Entwicklungen in Osteuropa üben zusätzlichen Druck auf die ohnehin schon angespannte Versorgungslage in der Elektronikindustrie aus. Wir bei QUICK-OHM wählen unsere Quellen und Lieferanten mit großer Sorgfalt aus, wir auditieren alle unsere Partner regelmäßig und sind überzeugt, das jeweils bestmögliche Produkt zu einem vernünftigen Preis zu liefern.

In der Vergangenheit haben wir bereits einige Alternativen zu den bekannten russischen TE-Firmen qualifiziert und mit dieser Umrechnungstabelle möchten wir Ihnen Alternativen zu den Standardsortimenten verschiedener Hersteller anbieten.

Kundenspezifische TECs können auf Anfrage angeboten werden, aber die meisten der aufgelisteten Module sind ab Lager verfügbar und können die russischen Gegenstücke problemlos ersetzen.

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QUICK-OHM

Küpper & Co. GmbH

Kryotherm

St. Petersburg, <https://kryothermtec.com/>

Name	Quick-Ohm substitute
TB-127-1,0-1,3 (Snowball-71)	QC-127-1.0-3.9CM
TB-127-1,0-1,3 (Snowball-71)	QC-127-1.0-3.9CM
TB-127-1,0-1,3 (STORM-71)	QC-127-1.4-3.7CM
TB-127-1,4-2,5 (RIME-74)	QC-127-1.4-3.9CM
TB-127-1,4-2,5 (RIME-74)	QC-127-1.4-3.9CM
TB-127-1,4-1,5 (Frost-72)	QC-127-1.4-6.0CM
TB-127-1,4-1,5 (Frost-72)	QC-127-1.4-6.0CM
TB-127-1,4-1,5 (Frost-74)	QC-127-1.4-6.0CM
Cool Block (Frost-74)	on request
TB-127-1,4-1,5 (Frost-74)	QC-127-1.4-6.0CM
TB-127-1,4-1,5 (Frost-75)	QC-127-1.4-6.0CM
TB-127-1,4-1,5 (Frost-75)	QC-127-1.4-6.0CM
TB-127-1,4-1,5 (Frost-76)	QC-127-1.4-6.0CM
TB-127-1,4-1,15 (ICE-71)	QC-127-1.4-8.5CM
TB-127-1,4-1,15 (ICE-71)	QC-127-1.4-8.5CM
TB-127-1,4-1,15 (HAIL-71)	QC-127-1.4-8.5CM
TB-161-1,4-2,0 (GLACIER-2,0)	QC-161-1.6-4.5CM
TB-161-1,4-2,0 (GLACIER-2,0)	QC-161-1.6-4.5CM
TB-161-1,4-1,5 (GLACIER-1,5)	QC-161-1.6-6.0CM
TB-161-1,4-1,5 (GLACIER-1,5)	QC-161-1.6-6.0CM
TB-199-1,4-2,0 (DRIFT-2,0)	on request
TB-199-1,4-2,0 (DRIFT-2,0)	on request
TB-199-1,4-2,0 (DRIFT-2,0)	on request
TB-199-1,4-1,5 (DRIFT-1,5)	on request
TB-199-1,4-1,5 (DRIFT-1,5)	on request
TB-199-1,4-1,5 (DRIFT-1,5)	on request
TB-199-1,4-1,2 (DRIFT-1,2)	QC-199-1.0-8.0CM
TB-199-1,4-1,2 (DRIFT-1,2)	on request
TB-199-1,4-1,2 (DRIFT-1,2)	on request
TB-199-1,4-1,15 (DRIFT-1,15)	QC-199-1.0-8.0CM
TB-199-1,4-1,15 (DRIFT-1,15)	on request
TB-199-1,4-1,05 (DRIFT-1,05)	on request
TB-199-1,4-1,05 (DRIFT-1,05)	QC-199-1.0-8.0CM
TB-199-1,4-1,05 (DRIFT-1,05)	on request
TB-199-1,4-0,8 (DRIFT-0,8)	QC-199-1.0-11.0CM
Cool Block (DRIFT-0,8)	on request
TB-199-1,4-0,8 (DRIFT-0,8)	on request
TB-199-1,4-0,8 (DRIFT-0,8)	on request
TB-199-1,4-0,6 (DRIFT-0,6)	QC-199-1.0-15.0CM
TB-199-1,4-0,6 (DRIFT-0,6)	on request
TB-199-1,4-0,6 (DRIFT-0,6)	on request
TB-127-1,0-0,8 (CHILL)	QC-127-1.4-6.0CM



QUICK-OHM

Küpper & Co. GmbH

Crystal Ltd.

Moscow, <http://www.crystalltherm.com/>

Name	Quick-Ohm substitute
S-007-10-08	on request
S-007-10-13	on request
S-007-10-15	on request
S-007-10-25	on request
S-007-14-11	on request
S-007-14-15	on request
S-007-14-25	on request
S-007-20-15	on request
S-017-10-08	on request
S-017-10-13	on request
S-017-10-15	on request
S-017-10-25	on request
S-017-14-11	QC-17-1.4-8.5CM
S-017-14-15	QC-17-1.4-6.0CM
S-017-14-25	QC-17-1.4-3.7CM
S-017-20-15	on request
S-031-10-08	on request
S-031-10-13	QC-31-1.0-3.9CM
S-031-10-15	QC-31-1.0-3.0CM
S-031-10-20	QC-31-1.0-2.5CM
S-031-10-25	on request
S-031-14-11	QC-31-1.4-8.5CM
S-031-14-15	QC-31-1.4-6.0CM
S-031-14-25	QC-31-1.4-3.7CM
S-031-20-15	on request
S-031-20-25	on request
S-032-14-045-Mch	on request
S-059-14-15	on request
S-063-10-13	QC-63-1.0-3.9CM
S-063-10-15	QC-63-1.0-3.0CM
S-063-10-25	QC-63-1.0-2.5CM
S-071-10-08	on request
S-071-10-13	on request
S-071-10-15	on request
S-071-10-25	on request
S-071-14-11	QC-71-1.4-8.5CM
S-071-14-15	QC-71-1.4-6.0CM
S-071-14-25	QC-71-1.4-3.7CM
S-071-20-15	QC-71-2.0-12.0CM
S-071-20-25	on request
S-127-10-08	on request
S-127-10-13	QC-127-1.0-3.9CM
S-127-10-15	QC-127-1.0-3.0CM
S-127-10-20	QC-127-1.0-2.5CM
S-127-10-25	on request
S-127-14-11	QC-127-1.4-8.5CM
S-127-14-13	QC-127-1.4-6.0CM



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Name	Quick-Ohm substitute
S-127-14-15	QC-127-1.4-6.0CM
S-127-14-25	QC-127-1.4-3.7CM
S-127-15-12	QC-127-1.4-8.5CM
S-127-15-135	QC-127-1.4-8.5CM
S-127-20-15	QC-127-2.0-15.0CM
S-127-20-25	on request
S-131-10-13	on request
S-161-12-08	on request
S-161-12-10	on request
S-161-12-13	QC-161-1.6-4.5CM
S-161-12-15	QC-161-1.6-4.5CM
S-161-14-15	on request
S-161-15-11	on request
S-161-15-14	QC-161-1.6-6.0CM
S-161-15-18	QC-161-1.6-6.0CM
S-199-10-13	on request
S-199-10-15	on request
S-199-14-08	QC-199-1.0-11.0CM
S-199-14-11	QC-199-1.0-8.0CM
S-199-14-13	on request
S-199-14-15	on request
S-199-14-25	on request
S-241-10-08	on request
S-241-10-13	QC-241-1.0-3.9CM
S-241-10-15	QC-241-1.0-3.0CM
S-241-10-25	on request
S-241-14-11	QC-241-1.4-8.5CM
S-241-14-15	QC-241-1.4-6.0CM
S-241-14-25	on request
S-287-10-13	on request
S-287-10-15	on request



QUICK-OHM

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Ferrotec Russia / Ferrotec NORD / SCTB NORD

Moscow, <https://www.ferrotec-nord.com/>

Name	Quick-Ohm substitute
TM-17-1.0-3.0M	QC-17-1.0-3.0CM
TM-17-1.0-3.9M	QC-17-1.0-3.9CM
TM-17-1.4-3.7M	QC-17-1.4-3.7CM
TM-17-1.4-6.0M	QC-17-1.4-6.0CM
TM-17-1.4-8.5M	QC-17-1.4-8.5CM
TM-31-1.0-2.5M	QC-31-1.0-2.5CM
TM-31-1.0-3.0M	QC-31-1.0-3.0CM
TM-31-1.0-3.9M	QC-31-1.0-3.9CM
TM-31-1.4-3.7M	QC-31-1.4-3.7CM
TM-31-1.4-6.0M	QC-31-1.4-6.0CM
TM-31-1.4-8.5M	QC-31-1.4-8.5CM
TM-32-2.0-9.0M	QC-32-2.0-9.0CM
TM-35-1.4-3.7M	QC-35-1.4-3.7CM
TM-35-1.4-6.0M	QC-35-1.4-6.0CM
TM-35-1.4-8.5M	QC-35-1.4-8.5CM
TM-63-1.0-2.5M	QC-63-1.0-2.5CM
TM-63-1.0-3.0M	QC-63-1.0-3.0CM
TM-63-1.0-3.9M	QC-63-1.0-3.9CM
TM-63-1.4-3.7M	QC-63-1.4-3.7CM
TM-63-1.4-6.0M	QC-63-1.4-6.0CM
TM-63-1.4-8.5M	QC-63-1.4-8.5CM
TM-69-1.4-8.5M	QC-69-1.4-8.5CM
TM-69-1.4-9.0M	QC-69-1.4-9.0CM
TM-71-1.0-2.5M	QC-71-1.0-2.5CM
TM-71-1.0-3.0M	QC-71-1.0-3.0CM
TM-71-1.0-3.9M	QC-71-1.0-3.9CM
TM-71-1.4-3.7M	QC-71-1.4-3.7CM
TM-71-1.4-6.0M	QC-71-1.4-6.0CM
TM-71-1.4-8.5M	QC-71-1.4-8.5CM
TM-71-1.4-9.0M	QC-71-1.4-9.0CM
TM-71-1.6-15.0M	QC-71-1.6-15.0CM
TM-71-2.0-12.0M	QC-71-2.0-12.0CM
TM-71-2.0-15.0M	QC-71-2.0-15.0CM
TM-127-1.0-2.5M	QC-127-1.0-2.5CM
TM-127-1.0-3.0M	QC-127-1.0-3.0CM
TM-127-1.0-3.9M	QC-127-1.0-3.9CM
TM-127-1.0-3.9MS	QC-127-1.0-3.9CMS
TM-127-1.2-7.5M	QC-127-1.2-7.5CM
TM-127-1.4-3.7M	QC-127-1.4-3.7CM
TM-127-1.4-3.7MS	QC-127-1.4-3.7CMS
TM-127-1.4-6.0M	QC-127-1.4-6.0CM
TM-127-1.4-6.0MS	QC-127-1.4-6.0CMS
TM-127-1.4-8.5M	QC-127-1.4-8.5CM
TM-127-1.4-8.5MS	QC-127-1.4-8.5CMS
TM-127-1.6-15.0M	QC-127-1.6-15.0CM
TM-127-2.0-12.0M	QC-127-2.0-12.0CM
TM-127-2.0-15.0M	QC-127-2.0-15.0CM
TM-161-1.6-15.0M	QC-161-1.6-15.0CM
TM-241-1.0-3.0M	QC-241-1.0-3.0CM



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Name

TM-241-1.0-3.9M
TM-241-1.4-8.5M
TM-241-1.6-10.0M
TM-241-1.6-15.0M
TM-241-1.6-20.0M
TM-241-1.6-28.0M
TM-254-1.4-6.0M
TM-257-1.4-6.0M
TM-450-0.8-3.0M

Quick-Ohm substitute

QC-241-1.0-3.9CM
QC-241-1.4-8.5CM
QC-241-1.6-10.0CM
QC-241-1.6-15.0CM
QC-241-1.6-20.0CM
QC-241-1.6-28.0CM
QC-254-1.4-6.0CM
QC-257-1.4-6.0CM
QC-450-0.8-3.0CM



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QUICK-OHM specifications

	I _{max} (A)	U _{max} (W)	Q _{cmax} (W)	dT _{max} (K)	Cold side (mm)	Hot side (mm)	Height (mm)	R _{ac} (Ohm)
QC-17-1.0-3.0CM	3.0	2.0	3.3	72	12 × 12	12 × 12	3.8	0.6
QC-17-1.0-3.9CM	3.9	2.0	4.9	72	12 × 12	12 × 12	3.6	0.5
QC-17-1.4-3.7CM	3.7	2.0	4.6	72	12 × 12	12 × 12	4.7	0.44
QC-17-1.4-6.0CM	6.0	2.0	7.4	72	15 × 15	15 × 15	3.8	0.27
QC-17-1.4-8.5CM	8.5	2.0	12	72	15 × 15	15 × 15	3.4	0.2
QC-31-1.0-2.5CM	2.5	3.6	5.7	72	15 × 15	15 × 15	4.2	1.2
QC-31-1.0-3.0CM	3.0	3.6	7.2	72	15 × 15	15 × 15	3.8	0.9
QC-31-1.0-3.9CM	3.9	3.6	8.9	72	15 × 15	15 × 15	3.6	0.75
QC-31-1.4-3.7CM	3.7	3.6	8.4	72	20 × 20	20 × 20	4.7	0.8
QC-31-1.4-6.0CM	6.0	3.6	13.6	72	20 × 20	20 × 20	3.8	0.5
QC-31-1.4-8.5CM	8.5	3.6	18	72	20 × 20	20 × 20	3.4	0.37
QC-35-1.4-3.7CM	3.7	4.0	9.5	72	15 × 30	15 × 30	4.7	0.9
QC-35-1.4-6.0CM	6.0	4.0	15.3	72	15 × 30	15 × 30	3.8	0.6
QC-35-1.4-8.5CM	8.5	4.0	20.4	72	15 × 30	15 × 30	3.4	0.42
QC-63-1.0-2.5CM	2.5	7.2	11.6	72	15 × 30	15 × 30	4.2	2.4
QC-63-1.0-3.0CM	3.0	7.2	14.6	72	15 × 30	15 × 30	3.8	1.9
QC-63-1.0-3.9CM	3.9	7.2	18	72	15 × 30	15 × 30	3.6	1.5
QC-63-1.4-3.7CM	3.7	7.2	17	72	20 × 40	20 × 40	4.7	1.6
QC-63-1.4-6.0CM	6.0	7.2	27.7	72	20 × 40	20 × 40	3.8	1
QC-63-1.4-8.5CM	8.5	7.2	37	72	20 × 40	20 × 40	3.4	0.75
QC-71-1.0-2.5CM	2.5	8.2	13	72	22.4 × 22.4	22.4 × 22.4	4.2	2.7
QC-71-1.0-3.0CM	3.0	8.2	16.5	72	22.4 × 22.4	22.4 × 22.4	3.8	2.1
QC-71-1.0-3.9CM	3.9	8.2	20.4	72	22.4 × 22.4	22.4 × 22.4	3.6	1.7
QC-71-1.4-3.7CM	3.7	8.2	19.3		30 × 30	30 × 34	4.7	1.8
QC-71-1.4-6.0CM	6.0	8.2	31	72	30 × 30	30 × 34	3.8	1.2
QC-71-1.4-8.5CM	8.5	8.2	41.4	72	30 × 30	30 × 34	3.4	0.85
QC-71-2.0-12.0CM	12.0	8.2	63	72	40 × 40	40 × 40	3.8	0.56
QC-71-2.0-15.0CM	15.0	8.2	77	72	40 × 40	40 × 40	3.6	0.46
QC-127-1.0-2.5CM	2.5	14.6	23.5	72	30 × 30	30 × 30	4.2	4.8
QC-127-1.0-3.0CM	3.0	14.6	29	72	30 × 30	30 × 30	3.8	3.8
QC-127-1.0-3.9CM	3.9	14.6	36.6	72	30 × 30	30 × 30	3.6	3.1
QC-127-1.4-3.7CM	3.7	14.6	34.5	72	40 × 40	40 × 40	4.7	3.3
QC-127-1.4-6.0CM	6.0	14.6	55	72	40 × 40	40 × 40	3.8	2
QC-127-1.4-8.5CM	8.5	14.6	74	72	40 × 40	40 × 40	3.4	1.5
QC-127-2.0-12.0CM	12	14.6	113	72	50 × 50	50 × 54	3.8	1
QC-127-2.0-15.0CM	15.0	14.6	110	72	50 × 50	50 × 54	3.6	0.82
QC-161-1.6-15.0CM	15.0	18.5	150	72	40 × 40	40 × 40	3.3	1.14
QC-241-1.0-3.0CM	3.0	27.7	56	72	40 × 40	40 × 40	3.8	7.2
QC-241-1.0-3.9CM	3.9	27.7	69	72	40 × 40	40 × 40	3.1	5.8
QC-241-1.4-8.5CM	8.5	27.7	135	72	54.4 × 54.4	54.4 × 54.4	3.4	2.9
QC-241-1.6-15.0CM	15.0	27.7	230	72	50 × 50	50 × 54	3.6	1.71
QC-241-1.6-28.0CM	28.0	27.7	430	68	50 × 50	50 × 54	3.3	0.87
QC-450-0.8-3.0CM	3.0	51.7	101	72	54.4 × 54.4	54.4 × 57.0	3.4	14