

TQC series characteristics list

Size code	Part number	Rated voltage (V)	Rated temperature (°C)	Rated capacitance (μF)	Category voltage (V)	Category temperature (°C)	DF (% max)	LC (μA) max/5min.	ESR (mΩmax) 100kHz/20°C	Maximum allowable ripple current (mA _{RMS}) 100kHz*1	MSL	
											Reflow temp. ≤ 260°C	Reflow temp. ≤ 250°C
B2	25TQC5R6M	25	105	5.6	25	105	10.0	42.0	100	800	—	3
	20TQC8R2M	20	105	8.2	20	105	10.0	49.2	100	800	—	3
	16TQC15M	16	105	15	16	105	10.0	72.0	90	1000	—	3
	16TQC10M	16	105	10	16	105	10.0	48.0	100	800	—	3
D2	35TQC10M	35	105	10	35	105	10.0	35.0	120	1000	—	3
	25TQC33MYF	25	105	33	25	105	10.0	82.5	60	1400	—	3
	25TQC22M	25	105	22	25	105	10.0	55.0	90	1000*2	—	3
	25TQC22MV	25	105	22	25	105	10.0	55.0	45	1500*2	—	3
	25TQC15M	25	105	15	25	105	10.0	38.0	90	1000*2	—	3
	25TQC15MV	25	105	15	25	105	10.0	38.0	45	1500*2	—	3
	20TQC47MYF	20	105	47	20	105	10.0	94.0	55	1450	—	3
	20TQC22M	20	105	22	20	105	10.0	44.0	80	1300	—	3
	16TQC100MYF	16	105	100	16	105	10.0	160.0	50	1500	—	3
	16TQC68MYF	16	105	68	16	105	10.0	108.8	50	1500	—	3
	16TQC47M	16	105	47	16	105	10.0	75.2	70	1400	—	3
	16TQC47MW	16	105	47	16	105	10.0	75.2	40	1800	—	3
	16TQC33M	16	105	33	16	105	10.0	52.8	70	1400	—	3
D3L	16TQC150MYF	16	105	150	16	105	10.0	240.0	50	1800	—	3
D3	16TQC100M	16	105	100	16	105	10.0	160.0	50	1800	—	3

*1 100k to 500kHz, 105°C *2 100k to 300kHz, 105°C

POSCAPPOSCAP
Line-upGuidelines and
precautions
for use

Selection guide

Series system
diagram
Image of
case size
Products list
Explanation of
part numbers
Packing
specifications

Technical data

Marking
Recommended
land pattern
dimension
Recommended
soldering
condition
Fundamental
structure
Characteristics
Reliability

Surface mount type

TPU
TPH
TPG
TPSF
TPC
TPE
TPB
TPL·TPLF
TPF
TA
TV
TH**TQC**

* Red letters : New models