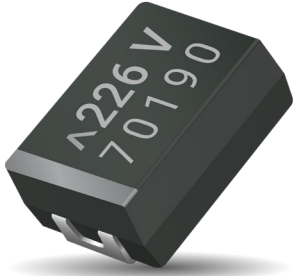


TCS SERIES

QPL ESCC - COTS-Plus Polymer Solid Electrolytic Multianode Capacitor

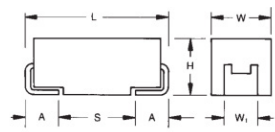
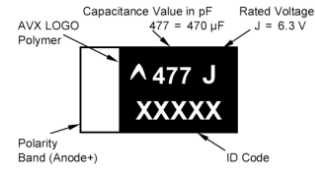


FEATURES

- QPL ESCC approved series
- Manufactured in EU, ESA qualified plant, according to ESCC 3012
- Detailed specification 3012/006
- Robust design for long operation lifetime
- Statistical screening with Accelerated Ageing
- Improved basic reliability 0.5%/1000hrs
- - 55 to +105°C operation temperature
- Low ESR
- CV range 22 - 470µF / 6.3 - 35V



MARKING E CASE



CASE DIMENSIONS: millimeters (inches)

Code	EIA Code	Variant	EIA Metric	L±0.20 (0.008)	W+0.20 (0.008) -0.10 (0.004)	H+0.20 (0.008) -0.10 (0.004)	W1±0.20 (0.008)	A+0.30 (0.012) -0.20 (0.008)	S Min.
E	2917	05	7343-43	7.30 (0.287)	4.30 (0.169)	4.10 (0.162)	2.40 (0.094)	1.30 (0.051)	4.40 (0.173)

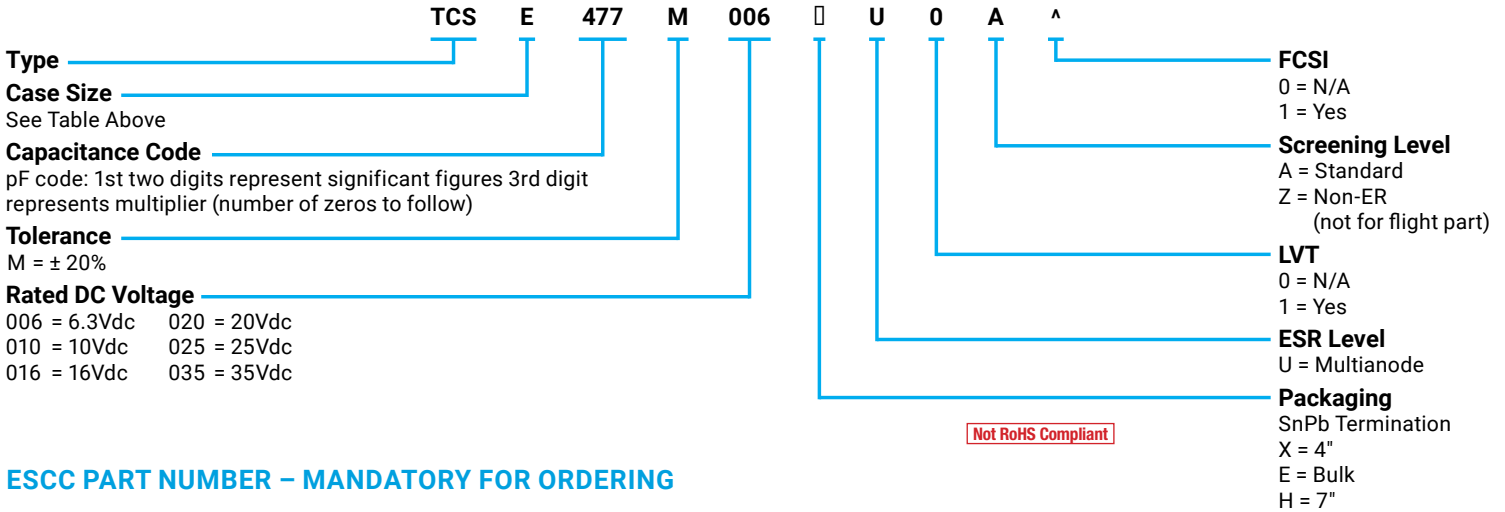
W1 dimension applies to the termination width for A dimensional area only.

CAPACITANCE AND RATED VOLTAGE, VR (VOLTAGE CODE) RANGE (LETTER DENOTES CASE SIZE)

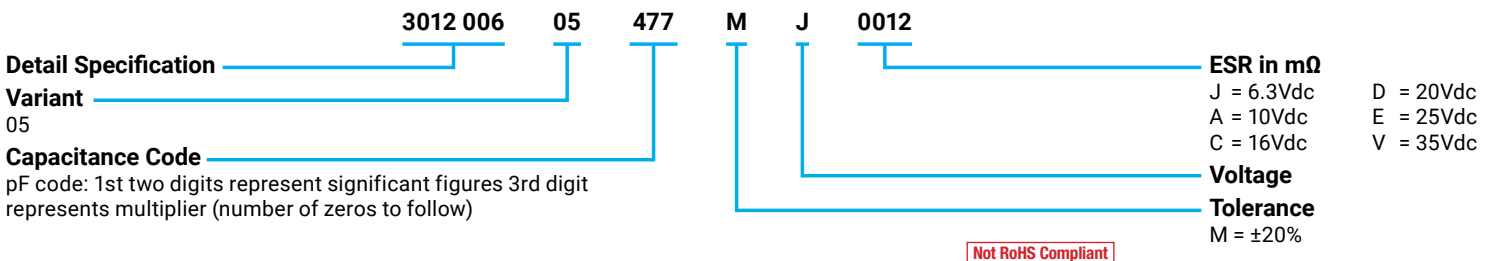
Capacitance		Rated voltage DC (VR) to 85°C					
µF	Code	6.3V (J)	10V (A)	16V (C)	20V (D)	25V (E)	35V (V)
22	226						E(50)
33	336					E(50)	
68	686				E(25)		
150	157			E(20)			
220	227		E(15)	E(20)			
330	337	E(12)	E(15)				
470	477	E(12)					

Available Ratings, ESR limited quoted in brackets (mOhms)

HOW TO ORDER AVX PART NUMBER



ESCC PART NUMBER – MANDATORY FOR ORDERING



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

TCS SERIES

QPL ESCC - COTS-Plus Polymer Solid Electrolytic Multianode Capacitor



OPTION

Packaging: Tape and reel available on request – Contact manufacturer

RATINGS & PART NUMBER REFERENCE

ESCC Part No.	AVX Part No.	Case Size	Capacitance (µF)	Rated Voltage (V)	DCL Max. (µA)	DF Max. (%)	ESR Max. @ 100kHz (mΩ)	100kHz Ripple Current (mA) Ratings			100kHz Ripple Voltage (mV) Ratings		
								45°C	85°C	105°C	45°C	85°C	105°C
6.3 Volt													
301200605337MJ0012	TCSE337M006□U0A [^]	E	330	6.3	198	8	12	5800	4100	2600	70	49	31
301200605477MJ0012	TCSE477M006□U0A [^]	E	470	6.3	282	8	12	5800	4100	2600	70	49	31
10 Volt													
301200605227MA0015	TCSE227M010□U0A [^]	E	220	10	220	8	15	5200	3600	2300	78	54	35
301200605337MA0015	TCSE337M010□U0A [^]	E	330	10	330	8	15	5200	3600	2300	78	54	35
16 Volt													
301200605157MC0020	TCSE157M016□U0A [^]	E	150	16	240	8	20	4500	3200	2000	90	64	40
301200605227MC0020	TCSE227M016□U0A [^]	E	220	16	352	8	20	4500	3200	2000	90	64	40
20 Volt													
301200605686MD0025	TCSE686M020□U0A [^]	E	68	20	136	8	25	4000	2800	1800	100	70	45
25 Volt													
301200605336ME0050	TCSE336M025□U0A [^]	E	33	25	82.5	8	50	2900	2000	1300	145	100	65
35 Volt													
301200605226MV0050	TCSE226M035□U0A [^]	E	22	35	77	8	50	2900	2000	1300	145	100	65

The parts are supplied in dry pack with Moisture Sensitivity Level (MSL) level 3 - defined according to J-STD-020. All technical data relates to an ambient temperature of +25°C. Capacitance and DF are measured at 120Hz, 0.5V RMS with a maximum DC bias of 2.2 volts. DCL is measured at rated voltage after 5 minutes.

NOTE: AVX reserves the right to supply a higher voltage rating or tighter tolerance part in the same case size, to the same reliability standards.