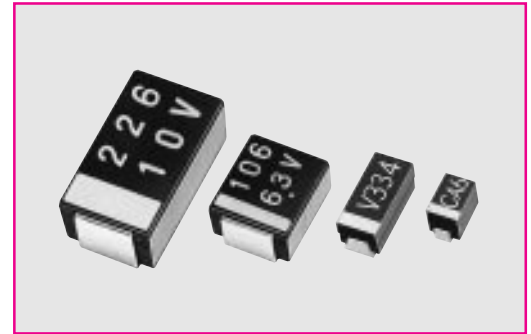


TCM Family

- TCM Series: Standard Capacitance
- TCMS Series: Extended Capacitance
- TCML Series: Low Profile



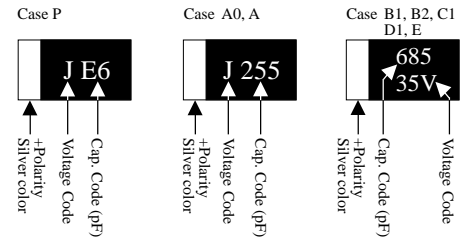
Application:

Mobile Telecom Applications, Camcorder, Digital Still Camera, LCD TV, HICs and all kind of devices that require miniaturization and surface mounting.

Features:

- High Volumetric efficiency
- Capacitance 0.01 μ F to 330 μ F
- Meets or Exceeds the International Standards like EIA-535BAAC, QC300801/US001 etc.
- Precise Molding & Smooth Surface
- Enables Hassle Free Automatic Mounting
- Solderability 260°C 10 Sec. Dip or Reflow

Marking:



Voltage Code	G	J	A	C	D	E	V
Rated Voltage	4.0V	6.3V	10V	16V	20V	25V	35V

Capacitance code for 'P' case:

Cap. Code (1 st digit)	A	E	J	N	S	W
Capacitance	1.0	1.5	2.2	3.3	4.7	6.8
Cap. Code (2 nd digit)	4		5		7	
Multiplier	10 ⁴		10 ⁵		10 ⁷	

Performance Specifications

Series	TCM	TCMS	TCML
Operating Temp. Range	-55°C ~ +125°C		
Max. Operating Temp. at RV	+85°C		
Standard Capacitance Rating	See Page # 20		
Capacitance Tolerance	±20% (M), ±10% (K) Option		
Dissipation Factor			
ESR	See 'TCM series standard P/N & data' - Page #21	See 'TCMS series standard P/N & data' - Page #22	See 'TCML series standard P/N & data' - Page #23
DC Leakage Current			
Solderability	260°C 10 Sec (Dip or Reflow)		
Humidity Test	60°C, 90 ~ 95 RH for 500Hrs.		
High temp. Load Test	85°C, Rated Voltage Applied for 2,000Hrs. or 125°C, De-rated Voltage Applied for 2,000Hrs.		
Failure Rate	1% or less / 1,000Hrs. after soldering		
Conformity	JIS-C-5143 Performance SB LB, EIA-535BAAC etc.		

Standard Case Code and Dimensions:



Case Code	EIA Code	Unit : mm						Unit : Inch					
		L1 ±0.2	L2 ±0.2	W ±0.2	H ±0.2	a ±0.2	b ±0.2	L1 ±0.008	L2 ±0.008	W ±0.008	H ±0.008	a ±0.008	b ±0.008
P	2012	2.0	-	1.25	1.2 max.	0.6	0.9	0.079	-	0.049	0.047 max.	0.024	0.035
A0	3216L	3.2	-	1.6	1.2 max.	0.8	1.2	0.126	-	0.063	0.047 max.	0.031	0.047
A	3216	3.2	2.9	1.6	1.6	0.8	1.2	0.126	0.114	0.063	0.063	0.031	0.047
B1	3528	3.4	3.1	2.8	1.9	0.8	1.8	0.134	0.122	0.110	0.075	0.031	0.071
B2	3528	3.5	3.3	2.8	1.9	0.8	2.2	0.138	0.130	0.110	0.075	0.031	0.087
C1	6032	5.8	5.5	3.2	2.5	1.2	2.0	0.228	0.217	0.126	0.098	0.047	0.079
D1	(5846)	5.8	5.5	4.6	3.2	1.3	2.4	0.228	0.217	0.181	0.126	0.051	0.094
E	7343	7.3	7.0	4.3	2.9	1.3	2.4	0.287	0.276	0.169	0.114	0.051	0.094

(): Represent EIA-J Case code