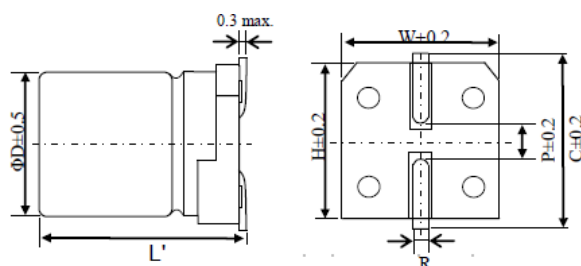


characteristics table

Rated Voltage (V)	Nominal Capacitance (120Hz, 20°C) (μF)	φ D	L	ESR (100K~300KHz) (m Ω) (max)	Max Ripple Current (100KHz) (mA rms)		Leakage Current (μA) (max)	DF (tanδ) (120Hz, 20°C) (max)	Part Number
					$105 < T_x \leq 125^\circ\text{C}$	$T_x \leq 105^\circ\text{C}$			
50	47	8	9	60	520	1300	470	0.12	GMR047M050-0809TR

DIAGRAM OF DIMENSIONS

■ Drawing



Unit: mm

φ D	8.0
L' ±0.5	9.0
W ±0.2	8.3
H ±0.2	8.3
C ±0.2	9.0
R	0.8~1.1
P ±0.2	3.2

Item	Performance	
Operating Temperature	-55°C ~ +125°C	
Capacitance Tolerance	-20 % ~ +20 % (120 Hz, 20°C)	
Leakage Current	Value in characteristics table	After 2 minutes
Dissipation Factor (Tanδ)	Value in characteristics table	(120 Hz, 20°C)
E S R	Value in characteristics table (100K ~ 300K Hz, 20°C)	
Ripple Current(rms, 100K Hz)	Value in characteristics table (105°C)	
Load Life (After 125°C, 1,000 hrs, rated voltage applied)	Capacitance Change	Within ±30 % of initial value
	Dissipation factor	Less than 300% of specified value
	E.S.R.	Less than 300% of specified value
	Leakage Current	Within specified value
Moisture Resistance (After 60°C, 90~95%RH, 1000 hrs, no voltage)	Capacitance Change	Within ±20 % of initial value
	Dissipation factor	Less than 150% of specified value
	E.S.R.	Less than 150% of specified value
	Leakage Current	Within specified value

*Leakage current should be tested after voltage treatment.

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Parameter :

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