GMR/ GQR

Ceramic Disc Capacitors

FEATURES

Small Size *Versatile Performer* *Long Life* *Inexpensive*

GMR SPECIFICATIONS

Capacitance Tolerance	-20, +80% (**Z**) ±20% (**M**)
Operating Temperature Range	-30°C to +85°C
Operating Voltage	12 WVDC
Insulation Resistance 12WVDC @ 1min.	≥ 1 MΩ
Dissipation Factor 1kHz, +20°C	5.0% max.@ 1kHz
Temperature Characteristics	Y5T, Y5U
Dielectric Strengths	250% rated voltage (60 seconds)
Life Test Specification	1000 hrs. at 200% of rated voltage

IC® PART NUMBER	Capacitance (µf)	Capacitance Tolerance	Temp. Char.	D Max.	T Max.	S	d
473GMR012M	.047	±20%(M)	Y5T	6.0	3.5	5.0±1.5	.47±.02
104GMR012M	.1	±20%(M)	Y5U	9.0	3.5	5.0±1.5	.47±.02
204GMR012Z	.2	-20%, +80% (Z)	Y5U	9.0	3.5	7.5±1.5	.47±.02

GQR SPECIFICATIONS

Capacitance Tolerance	-20, +80% (**Z**)
Operating Temperature Range	+10°C to +85°C (Z5V) -30°C to +85°C (Y5P)
Operating Voltage	500 WVDC
Insulation Resistance	≥ 1000 MΩ
Dissipation Factor 1kHz, +20°C	Class II 2.5% Max.(Y5P) Class III 3.0% Max.(Z5V)
Temperature Characteristics	Z5V, Y5P
Dielectric Strengths	250% rated voltage (60 seconds)
Life Test Specification	1000 hrs. at 200% of rated voltage E.I.A. RS 198, Class II (Y5P), Class III (Z5V)

IC® PART NUMBER	Capacitance (µf)	Capacitance Tolerance	Temperature Characteristics	D Max.	T Max.	S	d
102GQR500Z	.001	-20%, +80% (Z)	Y5P	6.0	3.0	5.0 ±1.5	.58 ±.02
103GQR500Z	.01	-20%, +80% (Z)	Z5V	8.0	3.0	6.35 ±1.5	.58 ±.02