

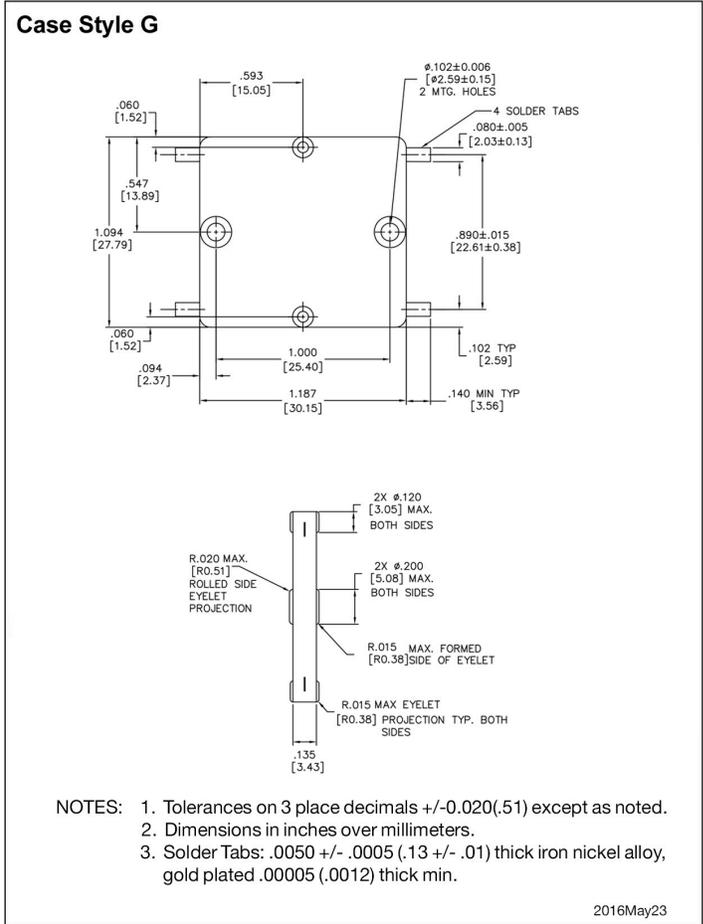
# QJE-2-.312G G– 90° POWER DIVIDERS/COMBINERS

## TECHNICAL FEATURE

### FEATURES

- 225 to 400 MHz
- Octave Bandwidths
- High Power
- Ruggedized
- Caseless Filmbrid Stripline Package

<b><u>PRINCIPAL SPECIFICATIONS</u></b>										
Model Number	Frequency Range, MHz	Isolation, dB		Insertion Loss, dB, Max.	Amplitude Balance, dB, Max.		Phase Tolerance	CW Power, W, Max.	Weight, oz. (g) Nom.	Case Style
		Min.	Typ.							
QJE-2-.312GG	225 - 400	20	25	0.30	0.9	90° ± 3°	400	0.40 (11)	G	



**GENERAL SPECIFICATIONS**

Coupling:	– 3 dB nom.
Impedance:	50 Ω nom.
VSWR:	1.1 typ., 1.25 max.
Peak Power:	1 kW max.
Terminals:	4 Solder Tabs
Operating Temperature:	– 55° to +85°C

**ENVIRONMENTAL QUALIFICATIONS**

Exposure	Method	Test Condition
Altitude*	105C	B
Humidity	106D	—
Thermal Shock	107D	A
Life Test	108	D
Vibration	201A	—
Mechanical Shock	213B	A
Random Vibration	214	11C

(15 minutes per axis)

\* Tab interfaces must be sealed by customer if device is to be used at rated peak power.

**General Notes:**

1. The QJE-2-.312GG is ideal for high power applications. A high thermal conductivity dielectric is used to disperse heat insuring high performance and reliability.
2. The Filmbrid™ Sandwich Package is sealed under heat and pressure insuring the printed substrates and low-loss dielectric laminates are permanently bonded together. This minimizes the effects of dirt and moisture and prevents separation under shock and vibration.
3. Custom units are readily available to accommodate special bandwidth and frequency requirements.

