

BGM240P22A & MGM240P22A

ATEX

Document Revision History Table

Rev.	Date	Initiator	Description of Changes
1.0	7-Sep-22	Tuomas Hänninen	Initial version

Total amount of capacitors, inductors, and resistors in BGM240P22A & MGM240P22A

Type	Package	Value	Tol	Qty	Max. value inc. tol.
Inductor	0201	2.3 nH	±0.1 nH	1	2.4 nH
Inductor	0603	2.2 uH	±20 %	1	2.64 uH
TOTAL INDUCTANCE		2.2 uH			
Ferrite Bead	0201	0.4 ohm	N/A	2	0.4 ohm
Inductor	0603	0.470 ohm	N/A	1	0.470 ohm
TOTAL RESISTANCE		1.27 ohm			
Ceramic Capacitor	0201	2.4 pF	±0.1 pF	1	2.5 pF
Ceramic Capacitor	0201	10 nF	±10 %	1	11 nF
Ceramic Capacitor	0402	4.7 uF	±20 %	2	5.64 uF
Ceramic Capacitor	0201	2.2 pF	±0.1 pF	1	2.3 pF
Ceramic Capacitor	0201	1.0 pF	±0.1 pF	1	1.1 pF
Ceramic Capacitor	0201	100 nF	±10 %	3	110 nF
Ceramic Capacitor	0201	18 pF	±5 %	3	18.9 pF
Ceramic Capacitor	0201	1 uF	±20 %	2	1.2 uF
Ceramic Capacitor	0402	2.2 uF	±20 %	2	2.64 uF
Ceramic Capacitor	0201	1.8 pF	±0.1 pF	2	1.9 pF
Ceramic Capacitor	0201	1.3 pF	±0.1 pF	2	1.4 pF
TOTAL CAPACITANCE		16.11 uF			

- The maximum RF TX power is +10 dBm (0.7 Vrms)
- The maximum current is less than 30.0 mA.
- The module does not contain any voltage enhancing parts such as boost converters.
- The module contains a 1.8 V DC-DC buck regulator.
- The maximum output voltage of any external pin cannot exceed the maximum supply voltage, neither under normal condition, nor under fault condition.