

BTGA & BTGF Series



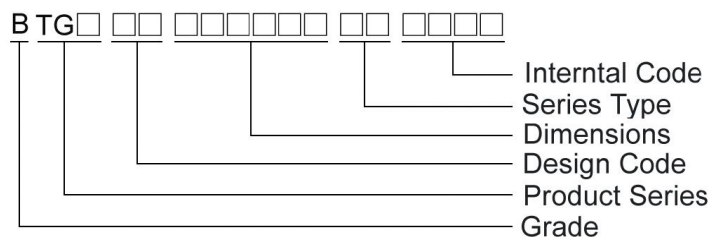
Features

- Supported with antenna design, matching and Certification.
- Customized

Applications

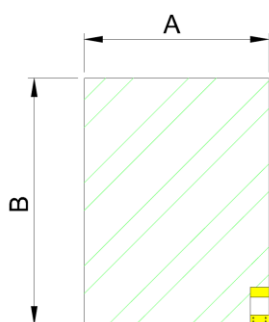
- NFC Reader
- NFC Card mode & payment
- RFID tag

Product Identification

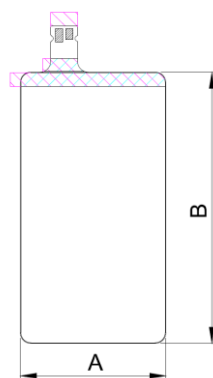


Shapes and Dimensions

BTGA0040303011JB01



BTGA0050272517A001



BTGF0062342523QUE0



Dimensions in mm

TYPE	A	B
BTGA0040303011JB01	30±0.15	40±0.15
BTGA0050272517A001	27±0.15	50±0.15
BTGF0062342523QUE0	33.8	63.9

Electrical Characteristics

Part Number	Frequency (MHz)	Inductance (uH)	Tolerance (±%)	DC Resistance (Ω)	Self-Resonance (MHz)	Ferrite μ'		
						Min	Typ	Max
BTGA0040303011JB01	13.56	0.84	3	1.1	85	130	150	170
BTGA0050272517A001	13.56	2.275	3	2.3	28	130	150	170

Part Number	Q	Antenna + ferrite thickness(mm) Typ(Max)	Antenna area (mm ²)	Antenna dimension tolerance (mm)Max	
BTGA0040303011JB01	61	-	-	-	-
BTGA0050272517A001	27	0.28(0.32)	1200	0.2	

Note:

- Operating temperature range - 30°C ~ 85°C(Including self - temperature rise)
- The measurement of antenna is based on VNA two ports differential mode in metal environment.

Part Number	Ferrite sheet total thickness (mm)			Ferrite thickness (mm)	Adhesive thickness (um)	Ferrite μ' (Typ)	Surface resistivity (Ω/square)Min	Certificate
	Min	Typ	Max					
BTGF0062342523QUE0	0.33	0.35	0.37	0.2	100/50	150	1.0G	RoHS

Note:

- Operating temperature range - 40°C ~ 85°C(Including self - temperature rise)

Ferrite Sheet Permeability

