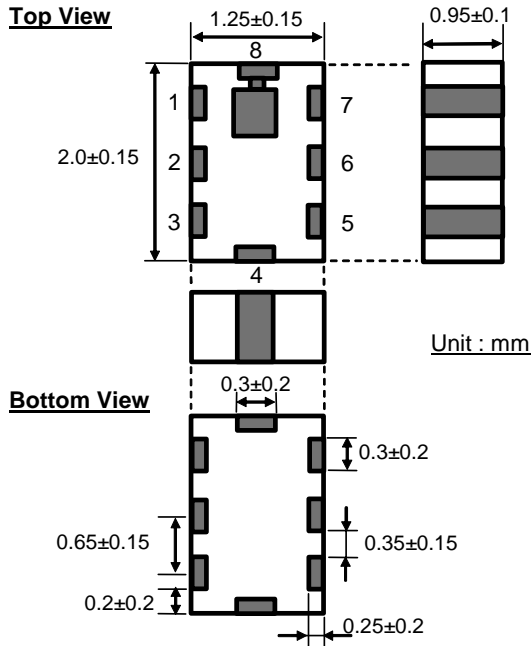


**Multilayer Band Pass Filter (Balance output type)**  
**P/N : DEA202450BT-7077A1**  
**For Bluetooth, W-LAN**

**MECHANICAL DIMENSIONS**



**PIN CONFIGURATION**

PIN ASSIGNMENT	PIN No.
Unbalanced port	1
Balanced port	5
Balanced port	7
GND	4,6,8
DC feed + RF GND or GND	2
NC	3

**PRELIMINARY ELECTRICAL CHARACTERISTICS**

**At 25degreeC**

Parameter	Specification	Typical Value	Unit	
Frequency Range (Pass Band)	2400 – 2500	-	MHz	
Insertion Loss	+25 degree C	3.5 max.	2.9	dB
	-40 ~ +85 degree C	3.8 max.	-	dB
Single ended port characteristic impedance	50 (Nominal)	-	ohm	
Balanced port differential characteristics Impedance	$34 + j72$ (Nominal)	-	ohm	
Attenuation	880 - 960MHz	40 min.	-	dB
	1710 - 1880MHz	38 min.	-	dB
	1880 - 1990MHz	38 min.	-	dB
	2110 - 2170MHz	17 min.	-	dB
	4800 - 5000MHz	25 min.	-	dB
	7200 - 7500MHz	27 min.	-	dB
	MHz	min.	-	dB
	MHz	min.	-	dB

Single ended Return Loss	2400 – 2500 MHz	9.0 max.	-	dB
Balanced Return Loss	2400 – 2500 MHz	9.0 max.	-	dB
Phase Difference at Balanced Port		180 +/- 10	-	deg.
Amplitude Imbalance at Balanced Port		0 +/- 1.0	-	dB

**TEMPERATURE RANGE**

Storage Temperature : -40 ~ +85 degree C  
 Operating Temperature : -40 ~ +85 degree C

**Recommended Land Pattern**

