



MSL1

* Pb Free Part

Customer Name	Standard	TAIYO YUDEN Mobile Technology Co.,Ltd.	
System	Band 41 (for China/Japan/India) Tx/Rx Filter	Date	Dec. 21, 2016
Part Number	F6FC2G600H4PA	Version 1.2aA	Final

Table 1. Electrical Specification

Item	Condition (MHz)	Specifications			Unit	Remarks
		Min.	Typ.	Max.		
Insertion Loss	2535 ~ 2545	-	2.1	4.5	dB(*1)	-30 ~ +25 °C
		-		3.6		+25 ~ +85 °C
	2545 ~ 2655	-	1.9	3.0	dB(*1)	+23 ~ +27 °C
		-		3.2		
VSWR	Input	2535 ~ 2545	1.4	2.4	-	-30 ~ +25 °C
				2.2		+25 ~ +85 °C
	Output	2535 ~ 2545	1.4	2.4	-	-30 ~ +25 °C
				2.2		+25 ~ +85 °C
Input Power	2535 ~ 2655	+29 dBm, TD-LTE 5 MHz (50% duty cycle), 50 °C, 5000 H			-	
	2575 ~ 2635	+32 dBm, TD-LTE 5 MHz (50% duty cycle), 50 °C, 5000 H			-	HPUE Support
Absolute attenuation	10 ~ 960	40	56	-	dB	
	1225 ~ 2400	30	35	-	dB	
	2400 ~ 2483	36	42	-	dB	
	2750 ~ 4900	30	38	-	dB	
	4900 ~ 8000	28	36	-	dB	
Terminating Impedance	Input port	50 // 3.0 nH			Ω	
	Output port	50 // 3.0 nH			Ω	
Operating temperature		-30 to +85			°C	
Maximum DC in all ports		-	-	5	VDC	Device only
DC impedance to ground		100			MΩ	Device only
Device size (L typ. x W typ. x H max.)		1.1 x 0.9 x 0.44			mm	

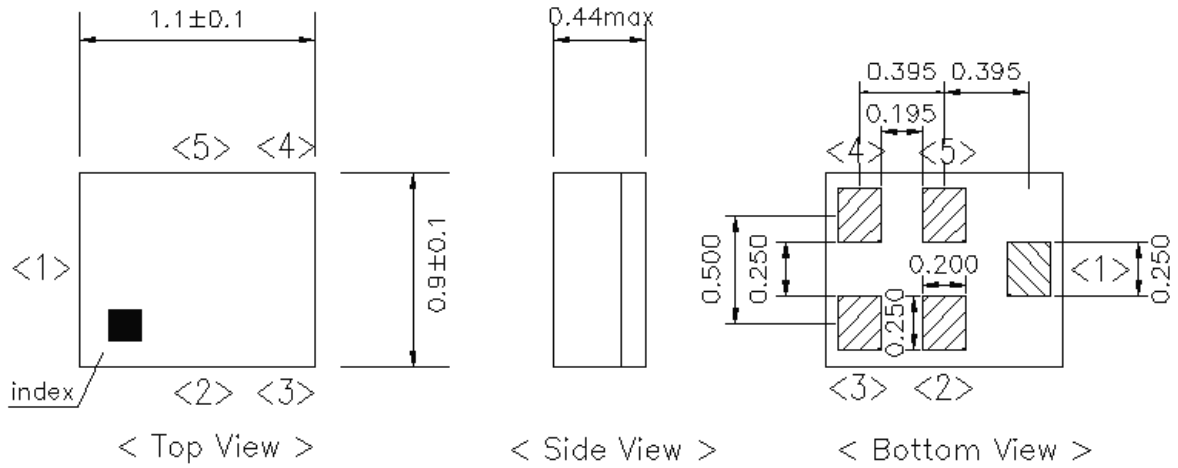
(*1) Specification of insertion loss excludes loss that comes from the test board.



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Dimensions



Unit: mm

Pin assignment

Pin No.	Pin name	Description
1	In	Input
2	GND	Ground
3	GND	Ground
4	Out	Output
5	GND	Ground

Figure 1. Dimensions and Pin assignment

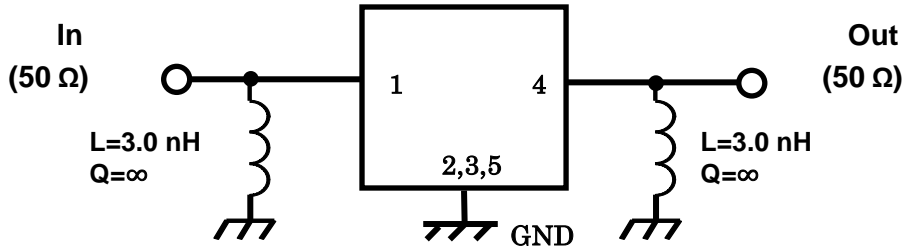


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Evaluation circuit



1 to 5: Pin No.

Recommended foot print pattern

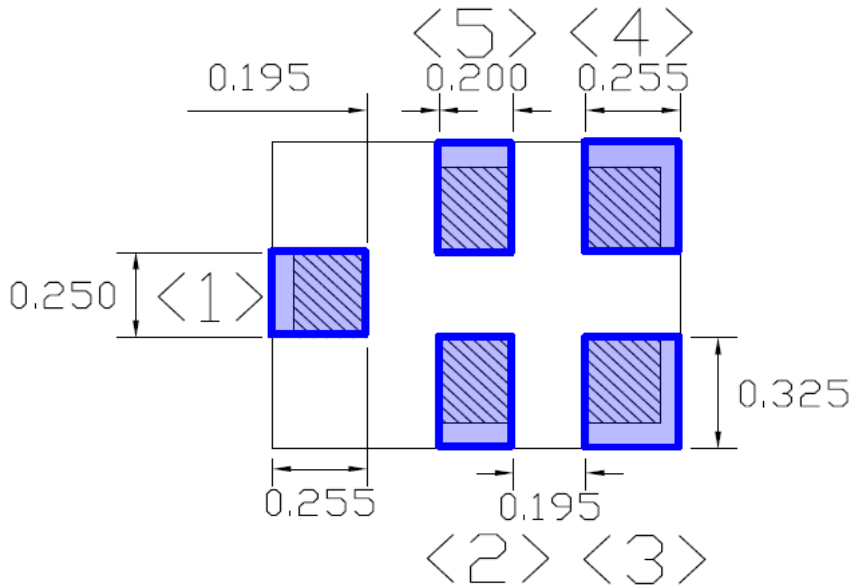


Figure 2. Evaluation circuit and Recommended foot print pattern



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Passband

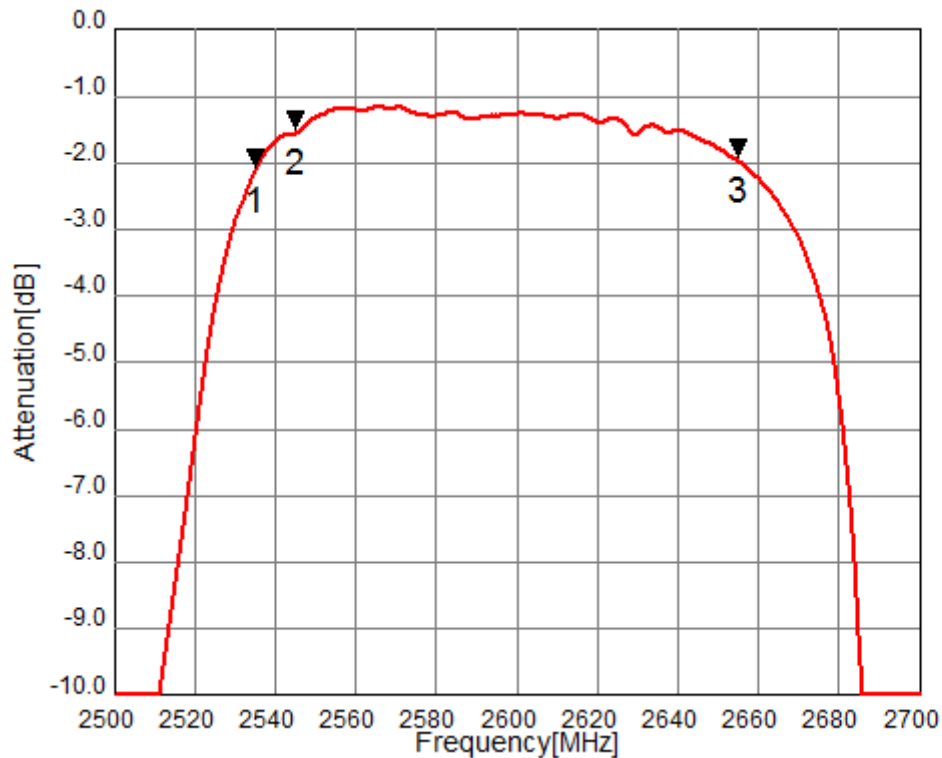
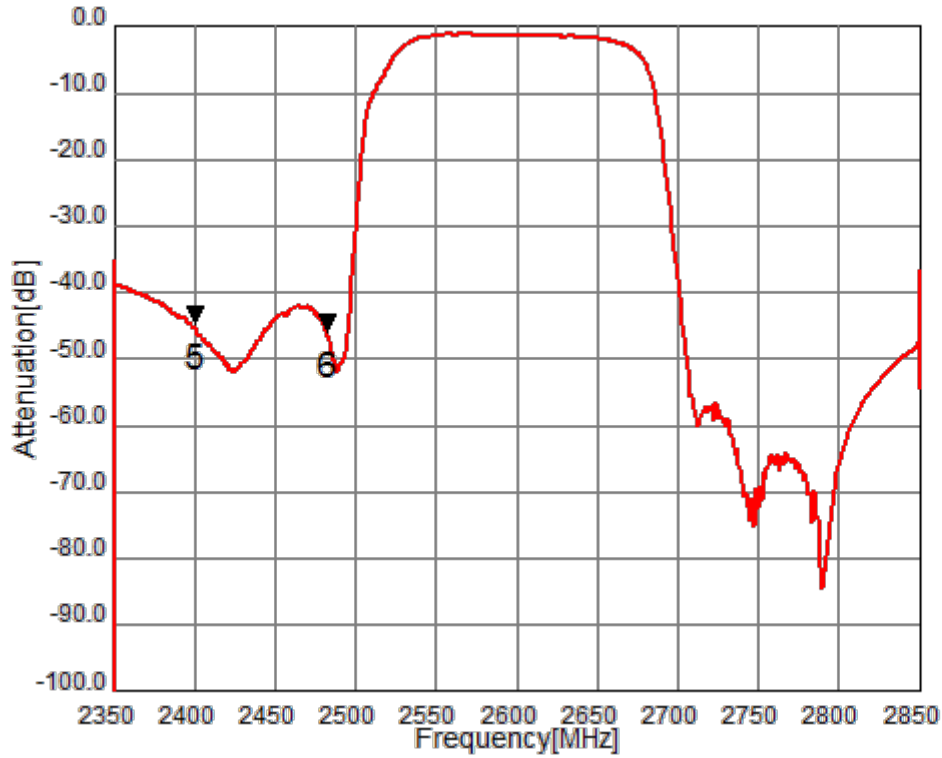


Figure 3-1. Electrical Characteristics

These data excludes loss that comes from the test board.



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Input Port

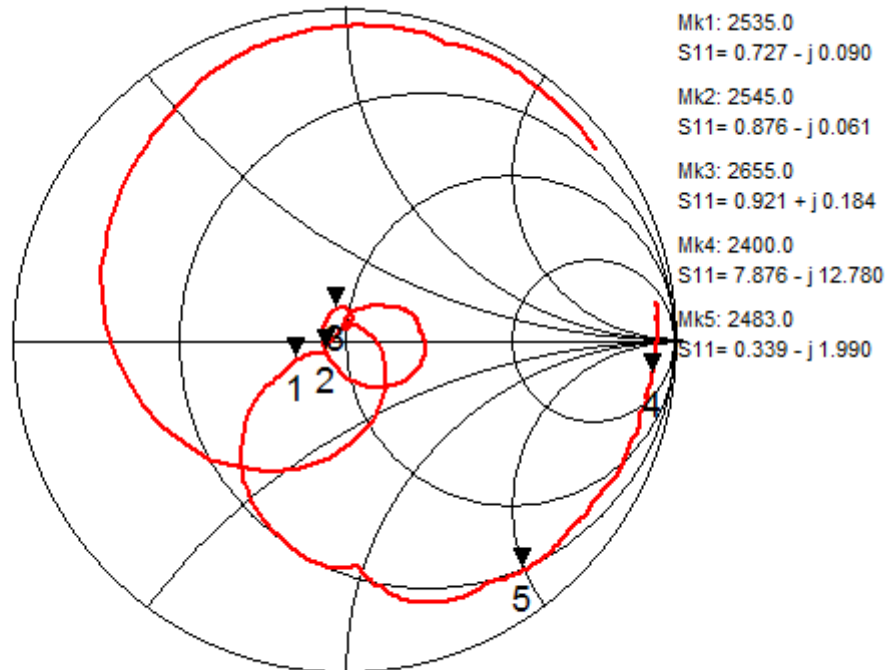
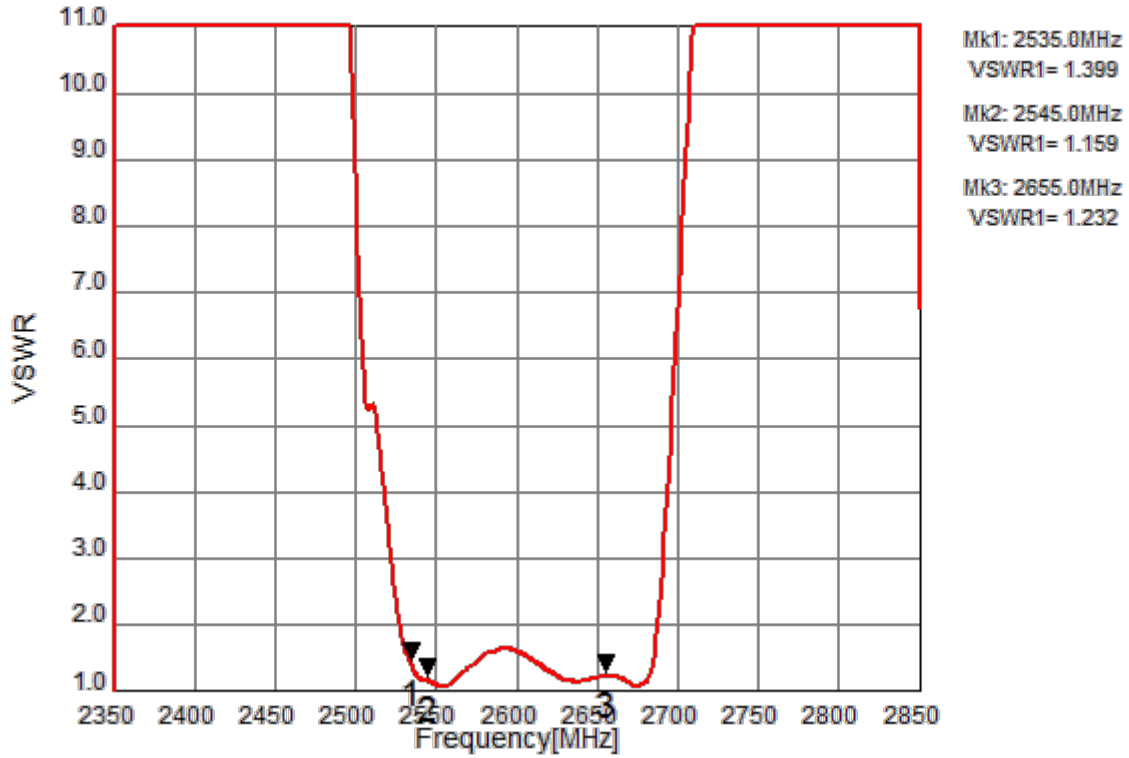


Figure 3-2. Electrical Characteristics



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Out Port

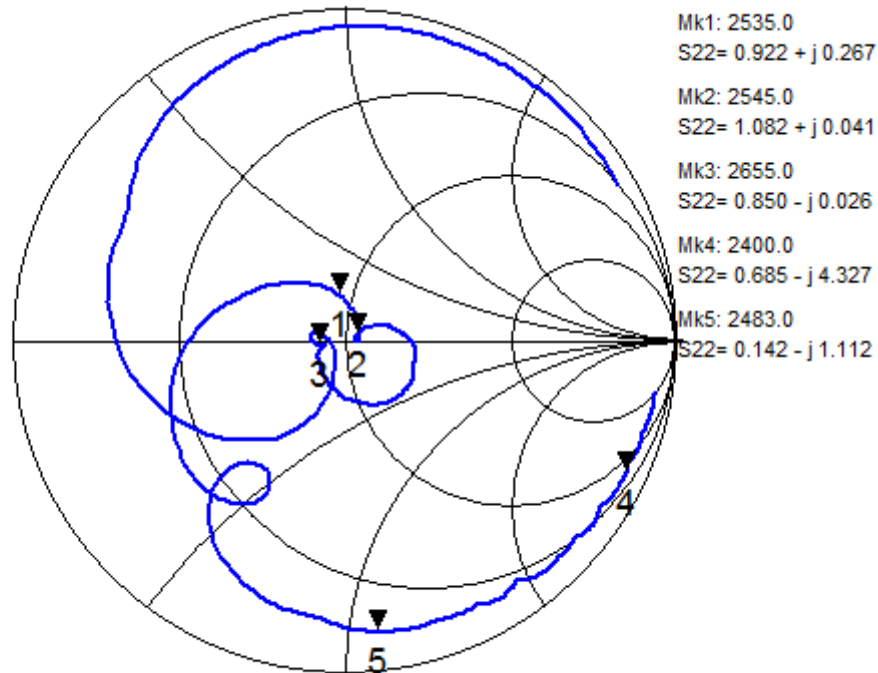
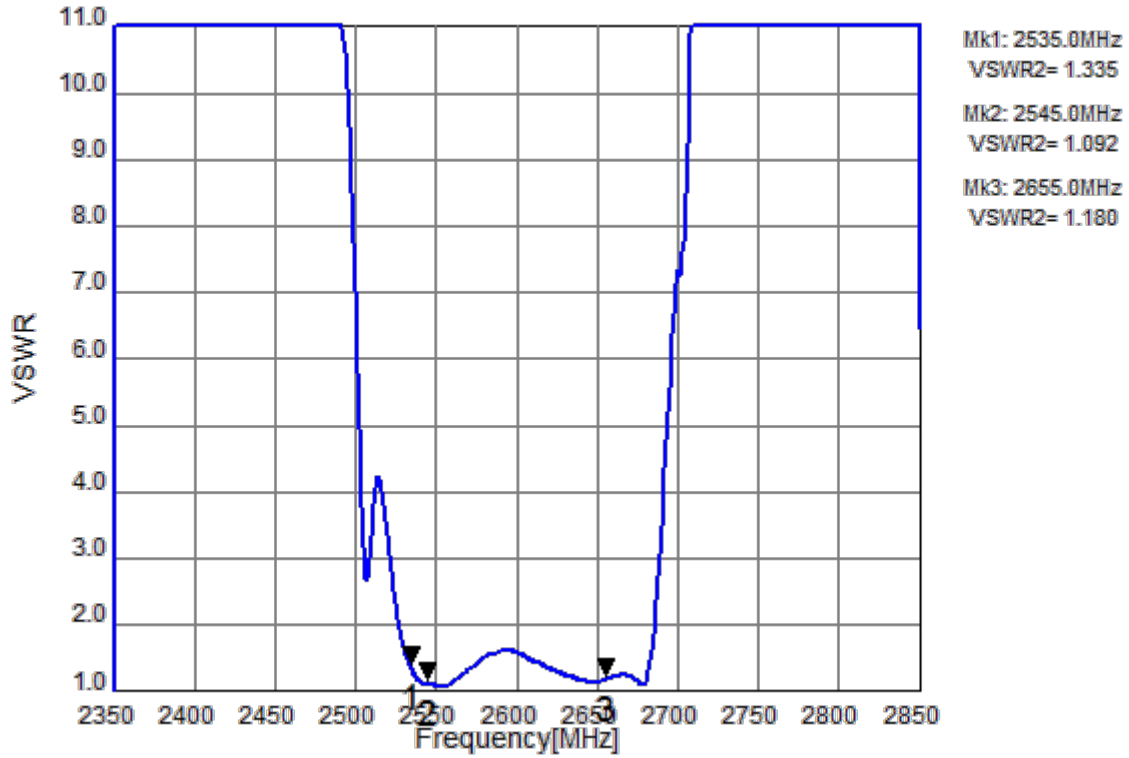


Figure 3-3. Electrical Characteristics



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Wide span

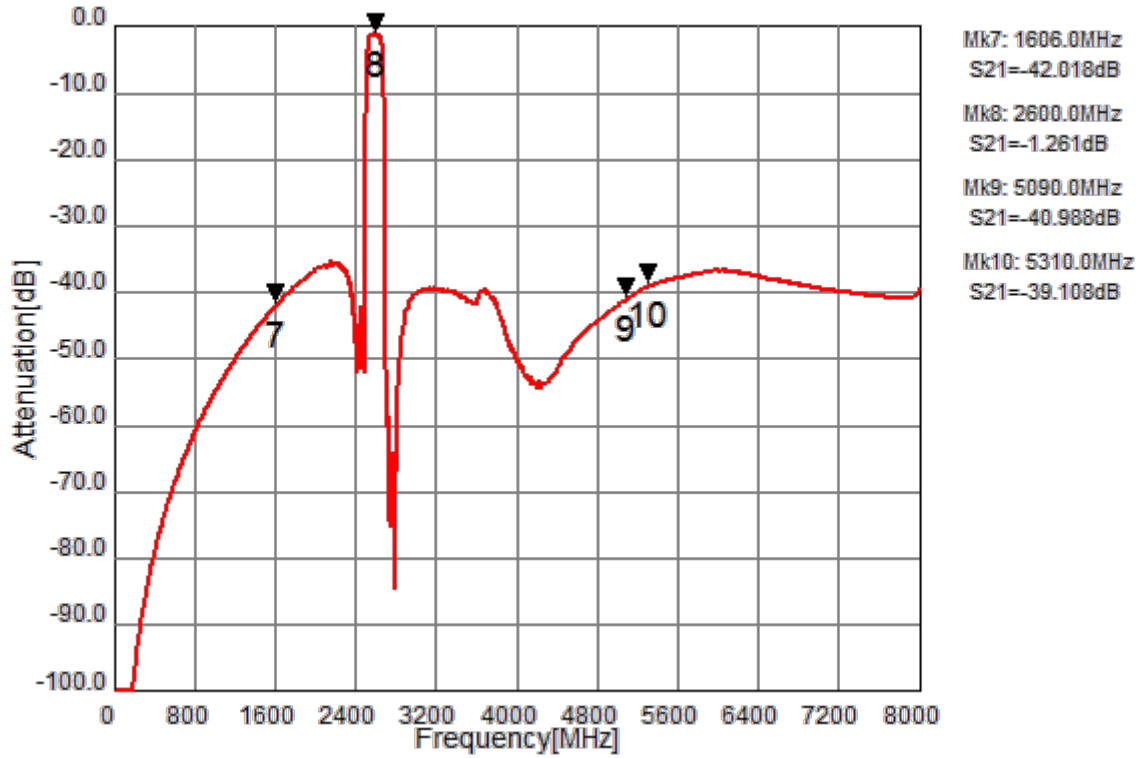


Figure 3-4. Electrical Characteristics



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Ordering Code

Ordering Code	Packing	Reel size	Status
F6FC2G600H4PA-X	Tape & Reel	10,000 pcs.	MP
F6FC2G600H4PA-XA	Tape & Reel	less than 10,000 pcs.	MP
F6FC2G600H4PA-Q	Bulk	few pcs.	MP

Option Ordering Code	Packing	Reel size	Status
F6FC2G600H4PA-J	Tape & Reel	5,000 pcs.	MP
F6FC2G600H4PA-JA	Tape & Reel	less than 5,000 pcs.	MP
F6FC2G600H4PA-Y	Tape & Reel	15,000 pcs.	MP
F6FC2G600H4PA-YA	Tape & Reel	less than 15,000 pcs.	MP

*Minimum order quantity (MOQ) is assigned for each inquiry, Please contact to Sales Representatives.

* MP: Mass Production



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