

Sample Approval Record

Log. No: 12SAR-HVA- 320	Rev.:	Sheet	: 1 of 6
Computime Description:			outime P/N:
ANTENNA ROD TRN8241 W3012 ISM 90	MHZ CER ROHS	2434	TRN824110P76
Manufacturer: PULSE			
Mfr. P/N: W3012			
Design Group: HVA-HVA-ODM			
First Used on Model: TRN8241	Component Weight:	NA	UM: PC
Environmental Requirement /Comment and R	emark:		
Lead-Free	EUPPW (Directive 94/62/EC)	
☑ RoHS (Directive 2002/95/EC)	☐ Battery Di	rective (Directive 2006/	66/EC)
SONY SS-00259: "This parts should not contain any that regulate the procedure, standards, guidelines and to products, packaging materials and packaging supp	requirements of the design		
Samsung: Refer to SEC Registration No. 0QA-2049			
Green Requirement (specify if check)	Others (sp	ecify if check)	
1,首次来料由IQA通知需要工程师确认。			
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Approval Status: (Please check the selected box) MR - Material Release Oty:		/Total MD Of u	
l <u>=</u> ``	21000 pcs	/ Total MR Qty: / Total CA Qty:	21000 pcs
☐ CA - Conditional Approval Qty: ☐ AP - Approved	21000 pcs	/ Total CA Qty.	21000 pcs
☐ FL Fail			į
			Option
Supporting Documents of Lead-Free/RoHS/C (Please circle the selected option number and c	-	rting documents)	1 ② 3 4 5
Vendor Declaration Use of RoHS Material or Manufacture	Declaration Letter		
Recognized Laboratory Lead-Free/RoHS/Green Report (pa	rts)		
Lead-Free/RoHS/Green Manufacturer List			
Lead-Free/RoHS/Green mark on Published specification fo			
Recognized Laboratory Raw Material Report or Raw Mater	ial Mfr. in "Lead-Free/RoHS/C	reen Manufacturer List"	
Computime RoHS Process Assessment COMPUTIME Supplier's Qualification Audit Report			
RoHS Analysis Report			
Customer Agreement			
Prepared by: Reviewed by:	Approved by:	Signed by VP/GM	1: Signed by COO:
Anders Liu Anders Liu	4		
Date: Apr. 10, 13 Date: Apr. 10, 13	Date: Apr. 10, 13	Date:	Date:
	Name: Arion Wong	Name:	Name:
Form No.: F-ENG-1001N	VEDT		

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SZDCC-BJ

Ground cleared under antenna, clearance area 10.80 mm x 8.25 mm. Pulse Part Number: W3012



Features

- Omni directional radiation
- Low profile
- Compact size W x L x H (10 x 3.2 x 4 mm)
- Low weight (600 mg)
- Lead free materials
- Fully SMD compatible
- Lead free soldering compatible
- Tape and reel packing
- RoHS Compliant Product

Applications

- ISM 900 Band

Electrical specifications @ +25 °C

Note: Electrical characteristics depend on test board (GP) size and antenna positioning on GP and Ground Clearance area size.

ISM 902 - 928 MHz

Typical performance (test board size 100 x 37 mm, PWB ground clearance area 10.80 mm x 8.25)

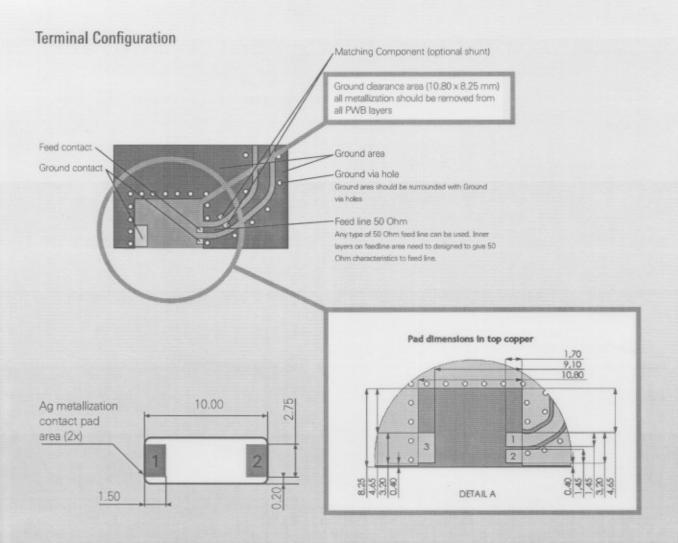
Frequency Range [MHz]	RHCP Gain [dBic]	Max Gain [dBi]	Efficiency [%] / [dB]	Return loss min. [dB]	Impedance [Ω]	Operating Temperature [°C]
902 – 928	0.85 (Peak) 0.5 (Band edges)	2 (peak) 0.5 (band edges)	70 / -1,55 (peak) 50 / -3 (band edges)	-6	50	-40 to +85

Pulse Finland Oy Takatie 6 90440 Kempele, Finland Tel: +358 207 935 500

Fax: +358 207 935 501 www.pulseeng.com/antennas



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Antenna features

No.	Terminal name	Terminal Dimensions
1	Feed / GND	1.5 x 2.75 mm
2	Feed / GND	1.5 x 2.75 mm

Antenna is symmetrical.

Either of terminals 1 or 2 can be feed / GND

PWB features

I	No.	Terminal name	Terminal Dimensions
I	1	Feed	1,7 x 1,45 mm
	2	GND	1,7 x 1,45 mm
-	3	GND	1,7 x 3,20 mm

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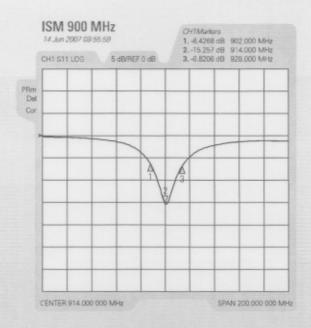
Tel: +358 207 935 500 Fax: +358 207 935 501 www.pulseeng.com/antennas

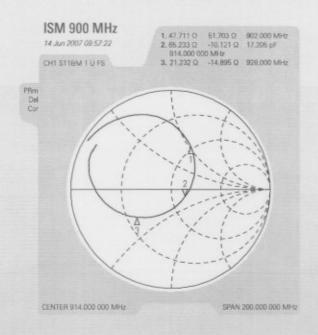


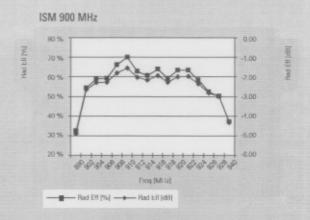
Ground cleared under antenna, clearance area 10.80 mm x 8.25 mm. Pulse Part Number: W3012

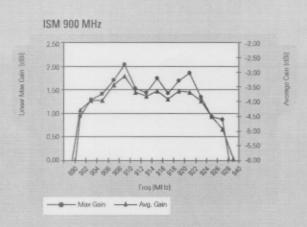
Typical Electrical Characteristics (T=25 °C)

Measured on the 100 x 37mm test board Typical Return Loss S11/ impedance









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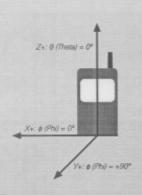
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2,4 GHz Typical Free space Radiation Patterns









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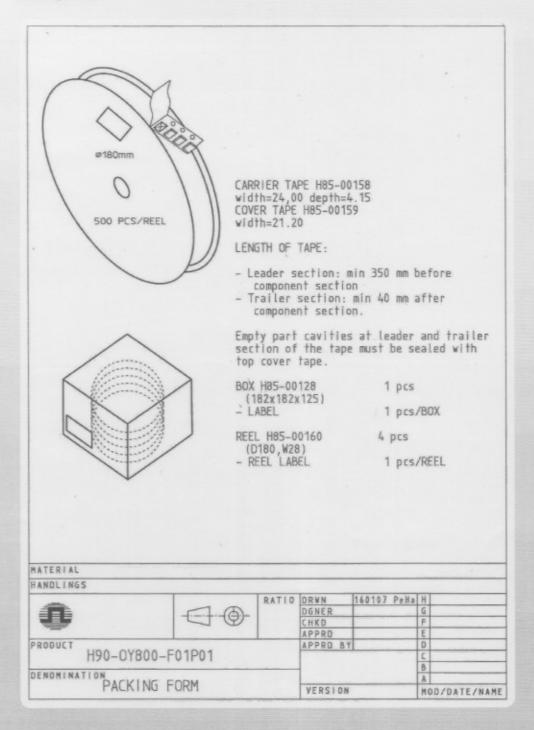
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Pulse A TECHNITROL COMPANY

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Packing form



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