



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN APM-PWR/07/2316
Notification Date 02/13/2007

Second source for M174 package R.F.

PWR - PWR BIP/ IGBT/ RF

Table 1. Change Identification

Product Identification (Product Family/Commercial Product)	see attached file
Type of change	Package assembly location change
Reason for change	to assure a second source
Description of the change	The new package is identical to the current one, both from mechanical and electrical point of view, except for the flange finishing which is Nickel for the current version and Gold for the new version. A second source supplier will allow an improvement of service to our customers, by reducing the standard lead time related to the involved devices.
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	Flange with different color (sse attached file)
Manufacturing Location(s)	

Table 2. Change Implementation Schedule

Forecasted implementation date for change	15-May-2007
Forecasted availability date of samples for customer	06-Feb-2007
Forecasted date for STMicroelectronics change Qualification Plan results availability	06-Feb-2007
Estimated date of changed product first shipment	31-May-2007

DOCUMENT APPROVAL

Name	Function
Juhel, Serge	Division Marketing Manager
Vitanza, Aldo	Division Product Manager
Spampinato, Sergio Tommas	Division Q.A. Manager

MPA (Micro, Power, Analog) Group
Voltage Regulator, Interface, Advanced logic & Power RF
Quality & Reliability

Rel 6337-274W06

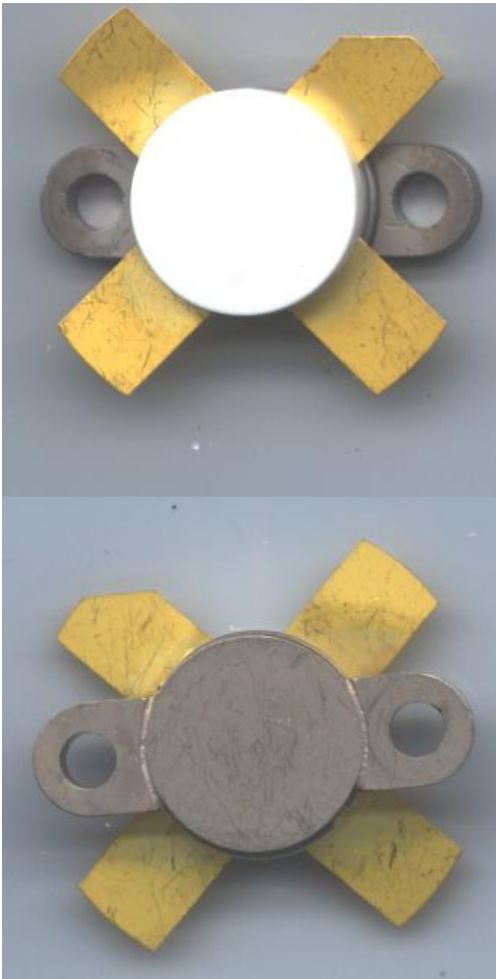
Reliability Evaluation On

Line: 1411
BIPOLAR RF Power TECHNOLOGY

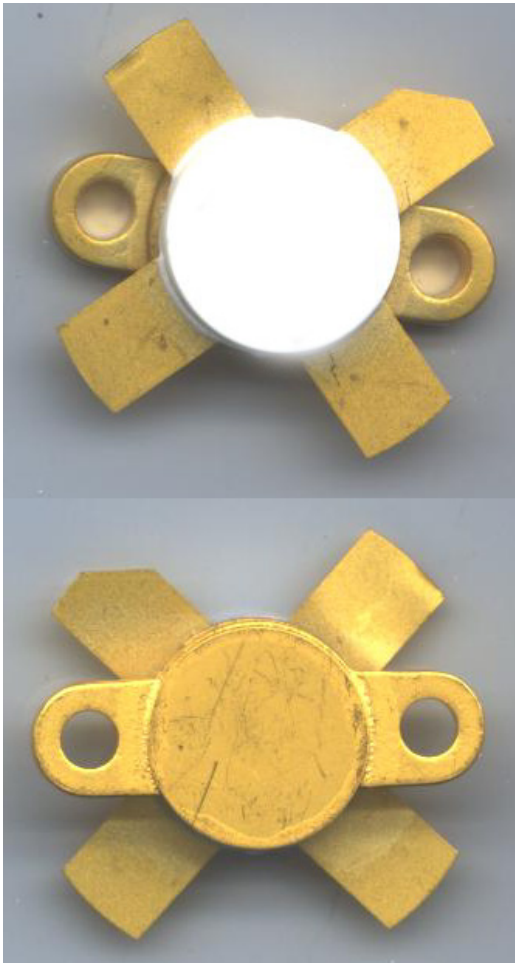
Package: M174 (Epoxy Sealed) - Zentrix RF1136

Test	Conditions	S.S.	Requirement	RESULTS			Generic data
				168h	500h	1Kh	End of step
H.T.S.	TA=200°C	77x1 Lot	Parameter deviation within spec. limits at 1000h	0/77	0/77	0/77	0/154
H.T.R.B.	TA=175°C Vcc= 80V	77x1 Lot	Parameter deviation within spec. limits at 1000h	0/77	0/77	0/77	0/154
THERMAL CYCLES AIR TO AIR	TA=-65°C TO 150°C 1 HOUR/CYCLE	77x1 Lot	Parameter deviation within spec. limits at 500cycles	0/77	0/77		0/154
MECHANICAL SEQUENCE	-Mechanical Shock: a= 1500 g ; t=.5msec 5 shocks x 6 orientations -Vibration: a= 20g; f= 100/2000Hz 4' x 3 orient. X 4 cycles = 48' -Constant acceleration: a= 2000/3000g for 1' -Fine leak test	32x1 Lot	Parameter deviation within spec. limits at end of test		0/32		0/64

CURRENT



SECOND SOURCE



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