

Date: Nov./1st/2022

Dear Valued Customer,

Notice of Discontinued Products

We regret to inform you that we will discontinue Thick Film Chip Resistors (2512 size, thickness 1.1mm type), because of material discontinuation.

We apologize for any inconvenience this may cause you.

【Detail】

Affected Product	Thick Film Chip Resistors ERJ 1 WRA/ 1 WRP/1WRQ/1WRS/1WS, ERJL1W series
Schedule	Last Time Order : Sep./30/2023 Last Time Shipment: Mar./31 /2024
Request	Please send back below customer acknowledgement form to us within 2 months after issue date of this Notice . If we have not received a returned acknowledgement form on or before above date we will conclude that the acknowledgement has been received and approved.

Atsushi Shinkai

Atsushi Shinkai
Plant Superintendent
Resistor and Sensor Business unit Morita Plant
Device Solutions Business Division
Panasonic Industry Co., Ltd.

Masaki Yoshino

Masaki Yoshino
Department Director
Strategic Marketing Department
Device Solutions Division
Panasonic Industry Co., Ltd.

Customer Acknowledgement form:

1. Condition of Usage ☐ being mas produced ☐ for Preparing)
2. Combined Order ☐ Necessary ☐ Unnecessary)

If you require combined Order Please let us know Quantity before Mar./31/2023 without fail.

Company Name :

Signature//Name

Date / /

/

Affected Product

Thick Film Chip Resistors

ERJ 1 WRA/ 1 WRP/1WRQ/1WRS/1WS, ERJL1W series

Please follow the LTB schedule for LTB .

ERJL1WKF10CU

Replacement proposal for ERJL1W/ 1W series(EOL)

2022/11/01



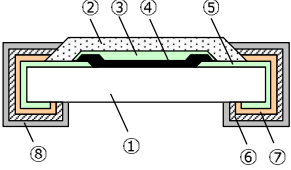
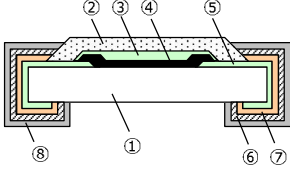
Resistor Sales&Marketing Dept.

Panasonic
INDUSTRY

**IN Your
Future**



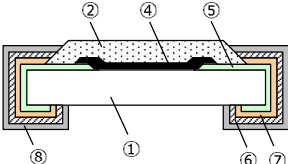
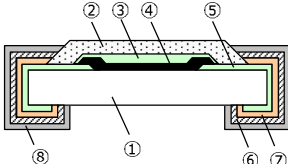
ERJ1WRS, ERJ1WRQ

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		ERJ1WRS, ERJ1WRQ	ERJ1TRS, ERJ1TRQ
Appearance			
Side View		 <ul style="list-style-type: none"> ① Substrate: Alumina ② Corting1: Resin ③ Corting2: PbO Glass ④ Element: Metal glaze ⑤ Tick film material ⑥ Inner: Cu Plating ⑦ Middle: Ni Plating ⑧ Outer: Sn Plating 	 <ul style="list-style-type: none"> ① Substrate: Alumina ② Corting1: Resin ③ Corting2: PbO Glass ④ Element: Metal glaze ⑤ Tick film material ⑥ Inner: Cu Plating ⑦ Middle: Ni Plating ⑧ Outer: Sn Plating
size (mm)	L	6.40±0.20	
	W	3.20±0.20	
	T	1.10±0.10	0.60±0.10
Resistance Value		RS : 100mΩ≤R≤200mΩ, RQ : 220mΩ≤R≤9.1Ω	
Power Rating		1W	
Package		U : 3,000pc/reel (Embossed taping) H: 1,000pcs/reel (Embossed taping)	4,000pcs/reel (Embossed taping)



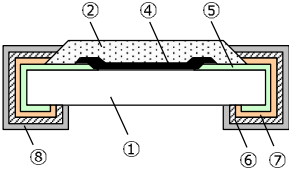
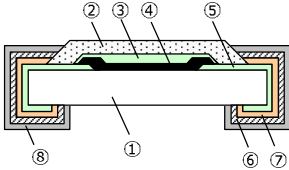
ERJL1W①

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I/O

		ERJL1W	ERJD1
Appearance			
Side View		 <ul style="list-style-type: none"> ① Substrate: Alumina ② Corting1: Resin ④ Element: Metal glaze ⑤ Tick film material ⑥ Inner: Cu Plating ⑦ Middle: Ni Plating ⑧ Outer: Sn Plating 	 <ul style="list-style-type: none"> ① Substrate: Alumina ② Corting1: Resin ③ Corting2: PbO Glass ④ Element: Metal glaze ⑤ Tick film material ⑥ Inner: Cu Plating ⑦ Middle: Ni Plating ⑧ Outer: Sn Plating
size (mm)	L	6.40±0.20	2.50±0.20
	W	3.20±0.20	5.00±0.20
	T	1.10±0.10	0.60±0.20
Resistance Value		K (Standard) : 40mΩ≤R≤100mΩ U (custom MPN) :	10mΩ≤R≤200mΩ
Power Rating		1W	2W
Package		U : 3,000pc/reel (Embossed taping) H: 1,000pcs/reel (Embossed taping)	5,000pcs/reel (Embossed taping)

ERJL1W②

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		ERJL1W	ERJD2
Appearance			
Side View		 <ul style="list-style-type: none"> ① アルミナ基板 ② 保護膜：エポキシ系樹脂 ④ 抵抗体：メタルグレース ⑤ 内部電極：銅系 ⑥ 中間電極：Cuめっき ⑦ 中間電極：Niめっき ⑧ 外部電極：Snめっき 	 <ul style="list-style-type: none"> ① アルミナ基板 ② 保護膜：エポキシ系樹脂 ③ ガラス：鉛ガラス ④ 抵抗体：メタルグレース ⑤ 内部電極：銀系or銅系 ⑥ 中間電極：Cuめっき ⑦ 中間電極：Niめっき ⑧ 外部電極：Snめっき
size (mm)	L	6.40±0.20	1.60±0.15
	W	3.20±0.20	3.20±0.20
	T	1.10±0.10	0.65±0.15
Resistance Value		K (Standard) : 40mΩ≤R≤100mΩ U (custom MPN) :	10mΩ≤R≤200mΩ
Power Rating		1W	
Package		U : 3,000pc/reel (Embossed taping) H: 1,000pcs/reel (Embossed taping)	5,000pcs/reel (Punched carrier taping)

EOL Series and replacement proposal

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EOL MPN	Specification		Replacement Proposal MPN			
ERJ1WRQF???U	$220\text{m}\leq R\leq 9.1\Omega$	1%	ERJ1TRQF???U			
ERJ1WRQJ???H	$220\text{m}\leq R\leq 9.1\Omega$	5%	ERJ1TRQJ???H			
ERJ1WRQJ???U	$220\text{m}\leq R\leq 9.1\Omega$	5%	ERJ1TRQJ???U			
ERJ1WRSF???U	$100\text{m}\leq R\leq 200\text{m}\Omega$	1%	ERJ1TRSF???U			
ERJ1WRSG???U	$100\text{m}\leq R\leq 200\text{m}\Omega$	2%	ERJ1TRSG???U			
ERJ1WRSJ???U	$100\text{m}\leq R\leq 200\text{m}\Omega$	5%	ERJ1TRSJ???U			
ERJL1WKF???	20,22,33,39,47,50,100	1%	ERJD1CF????U	ERJD1DF????U	ERJD2CF????U	ERJD2DF????U
ERJL1WKF???U	20,22,33,39,47,50,100	1%	ERJD1CF????U	ERJD1DF????U	ERJD2CF????U	ERJD2DF????U
ERJL1WKJ???U	20,22,33,39,47,50,100	5%	ERJD1CF????U	ERJD1DF????U	ERJD2CF????U	ERJD2DF????U
ERJL1WUF???U	$40\text{m}\Omega\leq R\leq 100\text{m}\Omega$	1%	ERJD1CF????U	ERJD1DF????U	ERJD2CF????U	ERJD2DF????U
ERJL1WUJ???U	$40\text{m}\Omega\leq R\leq 100\text{m}\Omega$	5%	ERJD1CF????U	ERJD1DF????U	ERJD2CF????U	ERJD2DF????U